UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the specification:

COLUMN 5,	LINE 37,	change "KB" to --κB--
COLUMN 11,	LINE 52,	change "CALCRRSTFDCGGPKDH" to --CALCRRSTTDCGGPKDH--
COLUMN 12,	LINE 15,	change "KB" to --κB--
COLUMN 12,	LINE 67,	change "KB" to --κB--
COLUMN 13,	LINE 4,	change "KB" to --κB--
COLUMN 13,	LINE 9,	change "KB" to --κB--
COLUMN 17,	LINE 15,	change "KB" to --κB--
COLUMN 17,	LINE 31,	change "KB" to --κB--
COLUMN 17,	LINE 65,	change "KB" to --κB--
COLUMN 28,	LINE 6,	change "KB" to --κB--
COLUMN 36,	LINE 39,	change "CD1 c" to --CD11c--
COLUMN 37,	LINE 8,	change "CD1 c" to --CD11c--
COLUMN 42,	LINE 35,	In the TABLE, under the heading "RESULTS" change "l,ist" to --list--
COLUMN 42,	LINE 36,	In the TABLE, under the heading "RESULTS" change "data bases" to --databases--
COLUMN 42,	LINE 39,	In the TABLE, under the heading "RESULTS" after "LQGV" insert --(SEQ ID NO:1)--; after "LQGVV" insert --(SEQ ID NO:53)--; and after "LQGVVP" insert --(SEQ ID NO:54)--
COLUMN 42,	LINE 39,	In the TABLE, under the heading "RESULTS" after "LDALP" insert --(SEQ ID NO:55)--
COLUMN 42,	LINE 41,	In the TABLE, under the heading "RESULTS" change "AN UBIQUITOUS" to --A UBIQUITOUS--
COLUMN 42,	LINE 42,	In the TABLE, under the heading "RESULTS" after "LQTV" insert --(SEQ ID NO:56)--; after "VLPAL" insert --(SEQ ID NO:8)--; and after "LVLQTVLPAL" insert --(SEQ ID NO:57)--
COLUMN 42,	LINE 44,	In the TABLE, under the heading "RESULTS" after "IQGL" insert --(SEQ ID NO:58)--; after "LPKL" insert --(SEQ ID NO:59)--; and after "LLPKL" insert --(SEQ ID NO:60)--
COLUMN 42,	LINE 46,	In the TABLE, under the heading "RESULTS" after "LPEL" insert --(SEQ ID NO:61)--

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,175,679 B2
APPLICATION NO. : 10/029206
DATED : February 13, 2007
INVENTOR(S) : Nisar Asmed Khan and Robert Benner

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the specification (continued):

COLUMN 42,	LINE 48,	In the TABLE, under the heading "RESULTS" after "PAPRP" insert --(SEQ ID NO:62)--
COLUMN 42,	LINE 50,	In the TABLE, under the heading "RESULTS" after "MTRI" insert --(SEQ ID NO:63)--
COLUMN 42,	LINE 53,	In the TABLE, under the heading "RESULTS" after "LQKL" insert --(SEQ ID NO:64)--; after "LQKLL" insert --(SEQ ID NO:65)--; after "PEAP" insert --(SEQ ID NO:66)--; and after "LQKLLPEAP" insert --(SEQ ID NO:67)--
COLUMN 42,	LINE 56,	In the TABLE, under the heading "RESULTS" after "PTLP" insert --(SEQ ID NO:68)-- and after "LQPTL" insert --(SEQ ID NO:69)--
COLUMN 42,	LINE 59,	In the TABLE, under the heading "RESULTS" after "LQVV" insert --(SEQ ID NO:70)--
COLUMN 42,	LINE 61,	In the TABLE, under the heading "RESULTS" after "PELP" insert --(SEQ ID NO:71)--
COLUMN 42,	LINE 64,	In the TABLE, under the heading "RESULTS" after "PAAP" insert --(SEQ ID NO:72)--; after "PAAPQ" insert --(SEQ ID NO:73)--; and after "PAAPQV" insert --(SEQ ID NO:74)--
COLUMN 42,	LINE 73,	In the TABLE, under the heading "RESULTS" after "LPAL" insert --(SEQ ID NO:75)--; after "PALP" insert --(SEQ ID NO:76)--; and after "PALPE" insert --(SEQ ID NO:77)--
COLUMN 42,	LINE 77,	In the TABLE, under the heading "RESULTS" after "LTELL" insert --(SEQ ID NO:78)--
COLUMN 43,	LINE 4,	after "ARG" and before ")" insert --(SEQ ID NO:79)--
COLUMN 43,	LINE 5,	after "PALP" insert --(SEQ ID NO:76)--
COLUMN 43,	LINE 8,	after "LPPL" insert --(SEQ ID NO:80)-- and after "PPLP" insert --(SEQ ID NO:81)--
COLUMN 43,	LINE 11,	after "LPGL" insert --(SEQ ID NO:82)-- and change "EPK" to --LPK--
COLUMN 43,	LINE 14,	after "LAAL" insert --(SEQ ID NO:83)-- and after "LAALP" insert --(SEQ ID NO:84)--

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 7,175,679 B2
APPLICATION NO. : 10/029206
DATED   : February 13, 2007
INVENTOR(S)   : Nisar Asmed Khan and Robert Benner

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the specification (continued):

COLUMN 43,	LINE 18,	after "LPKL" insert --(SEQ ID NO:59)-- and after "PKLP" insert --(SEQ ID NO:85)--
COLUMN 43,	LINE 21,	after "VLPSIP" insert --(SEQ ID NO:86)--
COLUMN 43,	LINE 23,	after "LPAL" insert --(SEQ ID NO:75)-- and after "PALP" insert --(SEQ ID NO:76)--
COLUMN 43,	LINE 26,	after "PAVP" insert --(SEQ ID NO:13)-- and after "MLPAVP" insert --(SEQ ID NO:87)--
COLUMN 43,	LINE 30,	after "LPCL" insert --(SEQ ID NO:88)-- and after "PCLP" insert --(SEQ ID NO:89)--
COLUMN 43,	LINE 32,	after "VPALP" insert --(SEQ ID NO:90)--
COLUMN 43,	LINE 34,	after "LPAL" insert --(SEQ ID NO:75)-- and after "PALP" insert --(SEQ ID NO:76)--
COLUMN 43,	LINE 36,	after "PTIP" insert --(SEQ ID NO:91)-- and after "VLPTIP" insert --(SEQ ID NO:92)--
COLUMN 43,	LINE 38,	after "VLPGFP" insert --(SEQ ID NO:93)--
COLUMN 43,	LINE 40,	after "PGFP" insert --(SEQ ID NO:94)-- and after "VLPGFP" insert --(SEQ ID NO:93)--
COLUMN 43,	LINE 43,	after "LPALP" insert --(SEQ ID NO:95)-- and after "PALP" insert --(SEQ ID NO:76)--
COLUMN 43,	LINE 45,	after "PALP" insert --(SEQ ID NO:76)--
COLUMN 43,	LINE 47,	after "MPALP" insert --(SEQ ID NO:96)--
COLUMN 43,	LINE 52,	delete the comma after "(HUMAN);"
COLUMN 43,	LINE 53,	after "MXRVLQGVLPALPQVVC" insert --(SEQ ID NO:97)-- and after "MXRV" insert --(SEQ ID NO:98)--
COLUMN 43,	LINE 57,	delete the comma after "(HUMAN);" and delete the period after "sequence"
COLUMN 43,	LINE 58,	after "ITRVMQGVIPALPQVVC" insert --(SEQ ID NO:99)--
COLUMN 43,	LINE 61,	delete the comma after "(HUMAN);" and delete the period after "sequence"
COLUMN 43,	LINE 62,	after "MTRVLQVVLLALPQLV" insert --(SEQ ID NO:100)--
COLUMN 43,	LINE 66,	after "KVIQGSLDSLPQAV" insert --(SEQ ID NO:101)-- and after "LDSL" insert --(SEQ ID NO:102)--

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 7,175,679 B2
APPLICATION NO. : 10/029206
DATED   : February 13, 2007
INVENTOR(S)   : Nisar Asmed Khan and Robert Benner

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the specification (continued):

COLUMN 43,	LINE 69,	after "VLQAILPSAPQ" insert --(SEQ ID NO:103)--; after "LQAIL" insert --(SEQ ID NO:104)--; and after "PSAP" insert --(SEQ ID NO:105)--
COLUMN 43,	LINE 71,	after "KVLQGRLPAVAQAV" insert --(SEQ ID NO:106)--
COLUMN 43,	LINE 72,	after "LPAV" insert --(SEQ ID NO:107)--
COLUMN 43,	LINE 75,	after "LVQKVVPMLPRLLC" insert --(SEQ ID NO:108)--; after "LPRL" insert --(SEQ ID NO:109)--; and after "PMLP" insert --(SEQ ID NO:110)--
COLUMN 43,	LINE 78,	after "VLQAILPSAPQ" insert --(SEQ ID NO:103)--; after "LQAIL" insert --(SEQ ID NO:104)--; after "PSAP" insert --(SEQ ID NO:105)--; and after "PSAPQ" insert --(SEQ ID NO:111)--
COLUMN 45,	LINE 4,	after "LPGCPRHFNPV" insert --(SEQ ID NO:112)-- and after "LPGC" insert --(SEQ ID NO:41)--
COLUMN 45,	LINE 8,	after "LVGCPRDYDPV" insert --(SEQ ID NO:113)-- and after "LVGC" insert --(SEQ ID NO:114)--
COLUMN 45,	LINE 12,	after "PGCPRG" insert --(SEQ ID NO:115)-- and after "PGCP" insert --(SEQ ID NO:10)--
COLUMN 45,	LINE 14,	after "LPGCP" insert --(SEQ ID NO:116)--; after "PGCP" insert --(SEQ ID NO:10)--; and after "LPGC" insert --(SEQ ID NO:40)--
COLUMN 45,	LINE 16,	after "VLPAAP" insert --(SEQ ID NO:117)-- and after "PAAP" insert --(SEQ ID NO:72)--
COLUMN 45,	LINE 19,	after "LAGTIPATP" insert --(SEQ ID NO:118)-- and after "PATP" insert --(SEQ ID NO:119)--
COLUMN 45,	LINE 22,	after "GVLPAVP" insert --(SEQ ID NO:11)--; after "VLPAVP" insert --(SEQ ID NO:12)--; and after "PAVP" insert --(SEQ ID NO:13)--

CERTIFICATE OF CORRECTION

PATENT NO.   : 7,175,679 B2
APPLICATION NO. : 10/029206
DATED   : February 13, 2007
INVENTOR(S)   : Nisar Asmed Khan and Robert Benner

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the specification (continued):

COLUMN 45,	LINE 24,	after "GVLPALP" insert --(SEQ ID NO:32)--; after "PALP" insert --(SEQ ID NO:76)--; and after "LPAL" insert --(SEQ ID NO:75)--
COLUMN 45,	LINE 26,	after "GLLPCLP" insert --(SEQ ID NO:120)--; after "LPCL" insert --(SEQ ID NO:88)--; and after "PCLP" insert --(SEQ ID NO:89)--
COLUMN 45,	LINE 28,	after "PGAP" insert --(SEQ ID NO:121)--; after "LPQRPRGPNP" insert --(SEQ ID NO:122)--; and change "PROP" to --PRGP-- and insert --(SEQ ID NO:123)-- thereafter
COLUMN 45,	LINE 30,	after "GCPR" insert --(SEQ ID NO:124)--
COLUMN 45,	LINE 32,	after "GCPRGM" insert --(SEQ ID NO:125)--
COLUMN 45,	LINE 35,	after "GCPRGM" insert --(SEQ ID NO:125)--
COLUMN 45,	LINE 38,	after "LQHV" insert --(SEQ ID NO:126)--
COLUMN 45,	LINE 41,	after "FPGC" insert --(SEQ ID NO:9)-- and after "PGCP" insert --(SEQ ID NO:10)--
COLUMN 45,	LINE 43,	after "PARP" insert --(SEQ ID NO:62)-- and after "VPGC" insert --(SEQ ID NO:127)--
COLUMN 45,	LINE 45,	after "CPRG" insert --(SEQ ID NO:128)-- and after "LKGC" insert --(SEQ ID NO:129)--
COLUMN 45,	LINE 48,	after "PPGP" insert --(SEQ ID NO:130)--; after "LPGCPREV" insert --(SEQ ID NO:131)--; after "LPGC" insert --(SEQ ID NO:41)--; after "PGCP" insert --(SEQ ID NO:10)--; and after "CPRE" insert --(SEQ ID NO:132)--
COLUMN 45,	LINE 50,	after "MMRVLQAVLPPLPQVVC" insert --(SEQ ID NO:133)--; after "MMRV" insert --(SEQ ID NO:52)--; after "VLPPLP" insert --(SEQ ID NO:135)--; and after "PPLP" insert --(SEQ ID NO:81)--
COLUMN 45,	LINE 51,	after "QVVC" insert --(SEQ ID NO:43)--; after "VLPPLPQ" insert --(SEQ ID NO:136)--; after "AVLPPLP" insert --(SEQ ID NO:137)--; and after "AVLPPLPQ" insert --(SEQ ID NO:138)--

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 7,175,679 B2

APPLICATION NO. : 10/029206

DATED   : February 13, 2007

INVENTOR(S)   : Nisar Asmed Khan and Robert Benner

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the specification (continued):

COLUMN 45,	LINE 53,	after "MMRVLQAVLPPVPQVVC" insert --(SEQ ID NO:139)--; after "MMRV" insert --(SEQ ID NO:134)--; after "LQAG" insert --(SEQ ID NO:140)--; after "VLPPVP" insert --(SEQ ID NO:141)--; and after "VLPPVPQ" insert --(SEQ ID NO:142)--
COLUMN 45,	LINE 54,	after "QVVC" insert --(SEQ ID NO:43)--; after "AVLPPVP" insert --(SEQ ID NO:143)--; and after "AVLPPVPQ" insert --(SEQ ID NO:144)--
COLUMN 45,	LINE 56,	after "MTRD" insert --(SEQ ID NO:145)--; after "QDVC" insert --(SEQ ID NO:146)--; after "IPGC" insert --(SEQ ID NO:147)--; and after "PGCP" insert --(SEQ ID NO:10)--
COLUMN 45,	LINE 58,	after "LPGC" insert --(SEQ ID NO:41)-- and after "PGCP" insert --(SEQ ID NO:10)--
COLUMN 45,	LINE 60,	after "PALP" insert --(SEQ ID NO:76)-- and after "PALPS" insert --(SEQ ID NO:148)--
COLUMN 45,	LINE 62,	after "LPGGPR" insert --(SEQ ID NO:149)--; after "LPGG" insert --(SEQ ID NO:150)--; after "GGPR" insert --(SEQ ID NO:151)--
COLUMN 45,	LINE 64,	after "LQRG" insert --(SEQ ID NO:152)--; after "LQRGV" insert --(SEQ ID NO:153)--; after "LGQL" insert --(SEQ ID NO:154)--
COLUMN 45,	LINE 67,	after "MTRVLQGVLPALP" insert --(SEQ ID NO:155)--
COLUMN 45,	LINE 68,	after "QVVC" insert --(SEQ ID NO:43)--
COLUMN 45,	LINE 71,	after "VLQGVLPAL" insert --(SEQ ID NO:156)--
COLUMN 45,	LINE 72,	after "GVLPALPQV" insert --(SEQ ID NO:157)--
COLUMN 45,	LINE 73,	after "VLPALPQVV" insert --(SEQ ID NO:158)--
COLUMN 45,	LINE 74,	after "RLPGCPRGV" insert --(SEQ ID NO:159)--
COLUMN 45,	LINE 75,	after "TMTRVLQGV" insert --(SEQ ID NO:160)--

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 7,175,679 B2

APPLICATION NO. : 10/029206

DATED   : February 13, 2007

INVENTOR(S)   : Nisar Asmed Khan and Robert Benner

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the specification (continued):

COLUMN 47,	LINE 3,	after "CPTMTRVLQGVLPAL" insert --(SEQ ID NO:161)--
COLUMN 47,	LINE 4,	after "PGCPRGVNPVVSYAV" insert --(SEQ ID NO:162)--
COLUMN 47,	LINE 5,	after "PRGVNPVVSYAVALS" insert --(SEQ ID NO:163)--
COLUMN 47,	LINE 6,	after "TRVLQGVLPALPQVV" insert --(SEQ ID NO:164)--
COLUMN 47,	LINE 7,	after "LQGVLPALPQVVCNY" insert --(SEQ ID NO:165)--
COLUMN 47,	LINE 8,	after "CPTMTRVLQGVLPAL" insert --(SEQ ID NO:161)--
COLUMN 47,	LINE 9,	after "MTRVLQGVLPALPQV" insert --(SEQ ID NO:166)--
COLUMN 47,	LINE 10,	after "SIRLPGCPRGVNPVV" insert --(SEQ ID NO:167)--
COLUMN 47,	LINE 29,	after "VLPALPQVVC" insert --(SEQ ID NO:28)--
COLUMN 47,	LINE 30,	after "LQGVLPALPQ" insert --(SEQ ID NO:49)--
COLUMN 47,	LINE 32,	after "LQGV" insert --(SEQ ID NO:1)--
COLUMN 47,	LINE 33,	after "GVLPALPQ" insert --(SEQ ID NO:33)--
COLUMN 47,	LINE 34,	after "VLPALP" insert --(SEQ ID NO:3)--
COLUMN 47,	LINE 35,	after "VLPALPQ" insert --(SEQ ID NO:29)--
COLUMN 47,	LINE 36,	after "GVLPALP" insert --(SEQ ID NO:32)--
COLUMN 47,	LINE 38,	after "MTRV" insert --(SEQ ID NO:42)--
COLUMN 47,	LINE 40,	after "LQGVLPALPOVVC" insert --(SEQ ID NO:34)--
COLUMN 47,	LINE 42,	after "LQGVLPALPOVVC" insert --(SEQ ID NO:34)--
COLUMN 47,	LINE 43,	after "LPGCPRGVNPVVS" insert --(SEQ ID NO:40)--
COLUMN 47,	LINE 44,	after "LPGC" insert --(SEQ ID NO:41)--

PATENT NO.   : 7,175,679 B2
APPLICATION NO. : 10/029206
DATED   : February 13, 2007
INVENTOR(S)   : Nisar Asmed Khan and Robert Benner

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the specification (continued):

COLUMN 47,	LINE 51,	after "LQGV" insert --(SEQ ID NO:1)--
COLUMN 47,	LINE 52,	after "AQGV" insert --(SEQ ID NO:2)--
COLUMN 47,	LINE 53,	after "LQGA" insert --(SEQ ID NO:19)--
COLUMN 47,	LINE 54,	after "VLPALP" insert --(SEQ ID NO:3)--
COLUMN 47,	LINE 55,	after "ALPALP" insert --(SEQ ID NO:21)--
COLUMN 47,	LINE 56,	after "VAPALP" insert --(SEQ ID NO:23)--
COLUMN 47,	LINE 57,	after "ALPALPQ" insert --(SEQ ID NO:23)--
COLUMN 47,	LINE 58,	after "VLPAAPQ" insert --(SEQ ID NO:24)--
COLUMN 47,	LINE 59,	after "VLPALAQ" insert --(SEQ ID NO:25)--
COLUMN 47,	LINE 60,	after "LAGV" insert --(SEQ ID NO:26)--
COLUMN 47,	LINE 61,	after "LQAV" insert --(SEQ ID NO:52)--
COLUMN 47,	LINE 62,	after "VLAALP" insert --(SEQ ID NO:27)--
COLUMN 47,	LINE 63,	after "VLPAAP" insert --(SEQ ID NO:117)--
COLUMN 47,	LINE 64,	after "VLPALA" insert --(SEQ ID NO:28)--
COLUMN 47,	LINE 65,	after "VLPALPQ" insert --(SEQ ID NO:29)--
COLUMN 47,	LINE 66,	after "VLAALPQ" insert --(SEQ ID NO:30)--
COLUMN 47,	LINE 67,	after "VLPALPA" insert --(SEQ ID NO:31)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "VLPALPQVVC" insert --(SEQ ID NO:20)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "LQGVLPALPQ" insert --(SEQ ID NO:49)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "LQGV" insert --(SEQ ID NO:1)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "GVLPALPQ" insert --(SEQ ID NO:33)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "VLPALP" insert --(SEQ ID NO:3)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "VALPQ" insert --(SEQ ID NO:29)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "GVLPALP" insert --(SEQ ID NO:32)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "QVVC" insert --(SEQ ID NO:43)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "MTRV" insert --(SEQ ID NO:42)--

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 7,175,679 B2
APPLICATION NO. : 10/029206
DATED   : February 13, 2007
INVENTOR(S)   : Nisar Asmed Khan and Robert Benner

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the specification (continued):

COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "LQGVLPALPQVVC" insert --(SEQ ID NO:34)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "LQGVLPALPQVVC" insert --(SEQ ID NO:34)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "AQGV" insert --(SEQ ID NO:2)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "LAGV" insert --(SEQ ID NO:26)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "LQAV" insert --(SEQ ID NO:52)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "LQGA" insert --(SEQ ID NO:19)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "ALPALP" insert --(SEQ ID NO:21)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "VAPALP" insert --(SEQ ID NO:22)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "VLAALP" insert --(SEQ ID NO:27)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "VLPAAP" insert --(SEQ ID NO:117)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "VLPALA" insert --(SEQ ID NO:28)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "ALPALPQ" insert --(SEQ ID NO:23)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "VAPALPQ" insert --(SEQ ID NO:173)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "VLAALPQ" insert --(SEQ ID NO:30)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "VLPAAPQ" insert --(SEQ ID NO:24)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "VLPALAQ" insert --(SEQ ID NO:25)--

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the specification (continued):

COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "VLPALPA" insert --(SEQ ID NO:31)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "VVCNYRDVRFESIRLPGCPRGVNPVVSY AVALSCQCAL" insert --(SEQ ID NO:35)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "VVCNYRDVRFESIRLPGCPRGVNPVVSY AVALSCQ" insert --(SEQ ID NO:169)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "SIRLPGCPRGVNPVVS" insert --(SEQ ID NO:39)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "LPGCPRGVNPVVS" insert --(SEQ ID NO:40)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "CPRGVNPVVS" insert --(SEQ ID NO:50)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "LPGC" insert --(SEQ ID NO:41)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "CPRGVNP" insert --(SEQ ID NO:170)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "PGCP" insert --(SEQ ID NO:10)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "RPRCRPINATLAVEKEGCPVCITVNTTIC AGYCPT" insert --(SEQ ID NO:45)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "MTRVLQGVLPALPQ" insert --(SEQ ID NO:171)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "MTRVLPGVLPALPQVVC" insert --(SEQ ID NO:174)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "CALCRRSTTDCGGPKDHPLTC" insert --(SEQ ID NO:46)--
COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "SKAPPPSLPSPSRLPGPC" insert --(SEQ ID NO:172)--

CERTIFICATE OF CORRECTION

PATENT NO.   : 7,175,679 B2
APPLICATION NO. : 10/029206
DATED   : February 13, 2007
INVENTOR(S)   : Nisar Asmed Khan and Robert Benner

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the specification (continued):

COLUMN 49,	TABLE 5,	under the column heading "SEQUENCE" after "TCDDPRFQDSSSSKAPPPSLPSPSRLPGP SDTPILPQ" insert --(SEQ ID NO:48)--
COLUMN 49,	TABLE 6,	under the column heading "SEQUENCE" after "VLPALPQVVC" insert --(SEQ ID NO:20)--
COLUMN 49,	TABLE 6,	under the column heading "SEQUENCE" after "LQGVLPALPQ" insert --(SEQ ID NO:49)--
COLUMN 49,	TABLE 6,	under the column heading "SEQUENCE" after "LQGV" insert --(SEQ ID NO:1)--
COLUMN 49,	TABLE 6,	under the column heading "SEQUENCE" after "GVLPALPQ" insert --(SEQ ID NO:33)--
COLUMN 49,	TABLE 6,	under the column heading "SEQUENCE" after "VLPALP" insert --(SEQ ID NO:3)--
COLUMN 49,	TABLE 6,	under the column heading "SEQUENCE" after "VALPQ" insert --(SEQ ID NO:29)--
COLUMN 49,	TABLE 6,	under the column heading "SEQUENCE" after "GVLPALP" insert --(SEQ ID NO:32)--
COLUMN 49,	TABLE 6,	under the column heading "SEQUENCE" after "QVVC" insert --(SEQ ID NO:43)--
COLUMN 50,	TABLE 6,	under the column heading "SEQUENCE" after "MTRV" insert --(SEQ ID NO:42)--
COLUMN 50,	TABLE 6,	under the column heading "SEQUENCE" after "LQGVLPALPQVVC" insert (SEQ ID NO:34)--
COLUMN 50,	TABLE 6,	under the column heading "SEQUENCE" after "LQGVLPALPQVVC" insert --(SEQ ID NO:34)--
COLUMN 50,	TABLE 6,	under the column heading "SEQUENCE" after "AQGV" insert --(SEQ ID NO:2)--
COLUMN 50,	TABLE 6,	under the column heading "SEQUENCE" after "LAGV" insert --(SEQ ID NO:26)--
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "LAGV" insert --(SEQ ID NO:26)
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "LQAV" insert --(SEQ ID NO:52)--

UNITED STATES PATENT AND TRADEMARK OFFICE
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PATENT NO. : 7,175,679 B2
APPLICATION NO. : 10/029206
DATED : February 13, 2007
INVENTOR(S) : Nisar Asmed Khan and Robert Benner

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the specification (continued):

COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "LQGA" insert --(SEQ ID NO:19)--
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "ALPALP" insert --(SEQ ID NO:21)--
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "VAPALP" insert --(SEQ ID NO:22)--
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "VLAALP" insert --(SEQ ID NO:27)--
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "VLPAAP" insert --(SEQ ID NO:117)--
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "VLPALA" insert --(SEQ ID NO:28)--
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "ALPALPQ" insert --(SEQ ID NO:23)--
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "VAPALPQ" insert --(SEQ ID NO:173)--
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "VLAALPQ" insert --(SEQ ID NO:30)--
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "VLPAAPQ" insert --(SEQ ID NO:24)--
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "VLPALAQ" insert --(SEQ ID NO:25)--
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "VLPALPA" insert --(SEQ ID NO:31)--
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "VVCNYRDVRFESIRLPGCPRGVNPVVSY AVALSCQCAL" insert --(SEQ ID NO:35)--
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "VVCNYRDVRFESIRLPGCPRGVNPVVSY AVALSCQ" insert --(SEQ ID NO:169)--
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "SIRLPGCPRGVNPVVS" insert --(SEQ ID NO:39)--
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "LPGCPRGVNPVVS" insert --(SEQ ID NO:40)--

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 7,175,679 B2
APPLICATION NO. : 10/029206
DATED   : February 13, 2007
INVENTOR(S)   : Nisar Asmed Khan and Robert Benner

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the specification (continued):

COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "CPRGVNPVVS" insert --(SEQ ID NO:50)--
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "LPGC" insert --(SEQ ID NO:41)--
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "CPRGVNP" insert --(SEQ ID NO:170)--
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "PGCP" insert --(SEQ ID NO:10)--
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "RPRCRPINATLAVEKEGCPVCITVNTTI CAGYCPT" insert --(SEQ ID NO:45)--
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "MTRVLQGVLPALPQ" insert --(SEQ ID NO:171)--
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "MTRVLPGVLPALPQVVC" insert --(SEQ ID NO:174)--
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "CALCRRSTTDCGGPKDHPLTC" insert --(SEQ ID NO:46)--
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "SKAPPPSLPSPSRLPGPC" insert --(SEQ ID NO:172)--
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "TCDDPRFQDSSSSKAPPPSLPSPSRLPGPS DTPILPQ" insert --(SEQ ID NO:48)--
COLUMN 51,	TABLE 6,	under the column heading "SEQUENCE" after "CRRSTTDCGGPKDHPLTC" insert --(SEQ ID NO:47)--
COLUMN 51,	LINE 54,	change "·" (first occurrence) to --α-- and change "·" (second occurrence) to --ß--
COLUMN 53,	LINE 40,	In the Experimental Design Table, under the column named "EXPERIMENTAL TREATMENT" change "antibioti" to --antibiotic--

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,175,679 B2
APPLICATION NO. : 10/029206
DATED   : February 13, 2007
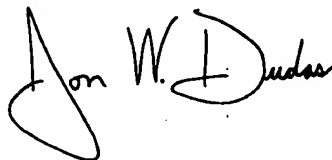INVENTOR(S) : Nisar Asmed Khan and Robert Benner

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the specification (continued):

COLUMN 54,	LINE 62,	change "vitrolex" to --vitro/ex--
COLUMN 67,	LINE 6,	change "KB" to --κB--
COLUMN 67,	LINE 20,	change "KB" to --κB--
COLUMN 67,	LINE 22,	change "KB" to --κB--
COLUMN 67,	LINE 32,	change "KB" to --κB-- (both occurrences)
COLUMN 69,	LINE 3,	change "KB" to --κB--

Signed and Sealed this

Twenty-third Day of December, 2008

JON W. DUDAS
Director of the United States Patent and Trademark Office